

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S124	7	("4288757"   "4866488"   "5386429"   "5602866"   "6118800").PN. OR ("6614821").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 08:03
S125	3	("5253264"   "5719894"   "6072189").PN. OR ("6597017").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 08:06
S134	56	("4144101"   "5171703"   "5262491"   "5327448"   "5373522"   "5400354"   "5403775"   "5493577"   "5557627"   "5581571").PN. OR ("5719891").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 09:30
S138	3	bragg near3 ((lattice near3 constant) near3 (GaAs or GaP) )	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 09:32
S137	3	bragg near3 ((lattice near3 constant) near3 (GaAs and GaP) )	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 09:32
S136	3	(lattice near3 constant) near3 (GaAs and GaP) near3 bragg	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 09:32
S139	8	bragg near3 ((lattice) near3 (GaAs or GaP) )	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 11:21
S141	2518	bragg and (contact near3 layer)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 11:22
S140	3	bragg near3 ((lattice) near3 (GaAs or GaP) ) and (contact near3 layer)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/10/21 11:22
S143	6	((("6014395") or ("5985683") or ("5557627") or ("6075804") or ("5295147") or ("5206871"))).PN.	USPAT; USOCR	OR	OFF	2005/10/21 11:41
S144	4	(contact adj3 layer) and S143	USPAT	OR	OFF	2005/10/21 12:00
S145	339	schottky adj3 anode	USPAT	OR	OFF	2005/10/21 12:01
S150	0	((("361280687") or ("405157919"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/30 09:42

## EAST Search History

S14 9	0	((("36-128-0687") or ("40-515-7919")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/30 09:42
S14 8	0	((("36-128-0687A") or ("40-515-7919A")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/30 09:42
S14 7	0	((("JP36-128-0687A") or ("JP40-515-7919A")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/30 09:42
S15 1	0	((("361280687") or ("405157919")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/30 09:43
S14 6	9	((("6118800") or ("4866488") or ("5386429") or ("4288757") or ("5602866") or ("6542528") or ("6207973") or ("6563851") or ("6072196")).PN.	USPAT	OR	OFF	2005/11/30 09:44
S15 3	4	(DBR or Bragg) near3 GaAsP	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/30 09:45
S15 2	326	(DBR or Bragg) and GaAsP	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/30 09:46
S15 4	1309	372/45.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:40

## EAST Search History

S15 5	1970	372/45.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:44
S15 8	284	372/46.01.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:45
S15 7	2	372/46.01.ccls. and ((dbr or mirror or brag) and messa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:45
S15 6	0	372/45.01.ccls. and ((dbr or mirror or brag) and messa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 08:45
S16 0	58	("4144101"   "5171703"   "5262491"   "5327448"   "5373522"   "5400354"   "5403775"   "5493577"   "5557627"   "5581571").PN. OR ("5719891").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:54
S16 1	23	("4660207"   "4873696"   "4994408"   "5027169"   "5034344"   "5034958").PN. OR ("5314838").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:55
S16 2	68	("4943970"   "4949351"   "5018157"   "5048035"   "5068868"   "5115441").PN. OR ("5226053").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:56
S16 3	32	("4949351").URPN.	USPAT	OR	ON	2005/12/19 08:57

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S16 4	180	("3560275"   "3878105"   "3974514"   "3978428"   "4033796"   "4110661"   "4249967"   "4309670"   "4347611"   "4376946"   "4573163"   "4633476"   "4636821"   "4675875"   "4694459"   "4730326"   "4740481"   "4745462"   "4757509"   "4764936"   "4766470"   "4772082"   "4819048"   "4847844"   "4852110"   "4853936"   "4856014"   "4856017"   "4942585"   "4943970"   "4949350"   "4949351"   "4958202"   "4967241"   "4974036"   "4982409"   "4990466"   "4991179"   "5018157"   "5029175"   "5033053"   "5033054"   "5034958"   "5038356"   "5040032"   "5043775"   "5045498"   "5050155"   "5063569"   "5068868"   "5088099"   "5115441"   "5115442"   "5128955"   "5132982"   "5136603"   "5143863"   "5148267"   "5155560"   "5159603"   "5160492"   "5164329"   "5206871"   "5216686"   "5231642"   "5233204"   "5237581"   "5239189"   "5245622"   "5247167"   "5249245"   "5255278"   "5256596"   "5258316"   "5258990"   "5266503"   "5272375"   "5274655"   "5285466"   "5289018"   "5293392"   "5301201"   "5311533"   "5317587"   "5328854"   "5331654"   "5341002"   "5343487"   "5345462"   "5351257"   "5357591"   "5359447"   "5359618"   "5363393"   "5379312"   "5387543"   "5388120"   "5397739"   "5397917"   "5399885"   "5400356"   "5403774"   "5412680"   "5416044"   "5420880"   "5422901"   "5426657"   "5436192"   "5438586"   "5442203"   "5448536"   "5457328"   "5465266"   "5468656"   "5475701"   "5485014"   "5491712"   "5493577"   "5513204"   "5530715"   "5554061"   "5568499"   "5568504"   "5574743"   "5577064").PN. OR ("5594751"   "5596595"   "5606572"   "5638392"   "5657339"   "5671243"   "5696784"   "5706306"   "5708669"   "5708674"   "5712865"   "5717707"   "5719893"   "5719894"   "5732099"   "5732103"   "5764676"   "5766981"   "5784398"   "5796769"   "5796771"   "5812576"   "5812578"   "5815524"   "5825796"   "5831960"   "5832017"   "5832019"   "5838707"   "5848086"   "5877519"   "5883912"   "5896408"   "5898722"   "5903590"   "5914973"   "5917848"   "5943359"   "5956363"   "5956364"   "5963576"   "5966399"   "5978408"   "5985686"   "6026108"   "6118799"   "6160834"   "6169757"   "6185241"   "6195381"   "6252804"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 08:58
4/6/2006 1:42:40 PM	C:\Documents and Settings\induev56\My Documents\FAST\Workspaces\10 779 894 - Index guided VCSEL.wsp					Page 4

## EAST Search History

S16 5	17	("3270235"   "3457633"   "4110661"   "4356341"   "4385389"   "4862474"   "5260588").PN. OR ("5399885").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 09:01
S16 6	44	("3270235"   "3457633"   "4110661"   "4356341"   "4385389"   "4862474"   "5260588"   "5343487"   "5397739"   "5483511"   "5521736"   "5577064"   "5594751"   "5606572"   "5642376"   "5757837"   "5812582"   "5976903").PN. OR ("5399885"   "6160834").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 09:03
S16 8	158	257/98,94.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:05
S16 7	7	("4951289"   "5029175"   "5399885"   "5474954"   "5805627"   "6487226").PN. OR ("6707071").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 09:05
S15 9	311	372/45.01.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:05
S17 1	771	372/45.01-50.11.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:07
S17 2	24	372/75.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:08
S17 0	28	438/45.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:08
S16 9	123	438/22,29.ccls. and ((dbr or mirror or brag) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/19 09:09

## EAST Search History

S17 3	20	("5403775"   "5513204"   "5550081"   "5563094"   "5882948"   "5897329"   "5903588"   "5991326"   "6048748"). PN. OR ("6372533").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/19 09:11
L1	0	372/45.01.46.01.ccls. and ((vcsel and bragg) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:51
L3	274	372/43.01-50.23.ccls. and ((vcsel and bragg) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:52
L2	130	372/45.01,46.01.ccls. and ((vcsel and bragg) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:52
L6	113	"438"/\$\$\$ccls. and ((vcsel and bragg) and mesa and (mirror and more or less))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:53
L5	117	"438"/\$\$\$ccls. and ((vcsel and bragg) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:53
L4	325	"372"/\$\$\$ccls. and ((vcsel and bragg) and mesa)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:53
L7	103	"438"/\$\$\$ccls. and ((vcsel and bragg) and mesa and (mirror and (more or less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:54

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L8	9	"438"/\$\$.ccls. and ((vtsel and bragg) and mesa and (mirror adj3 (more or less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:55
L9	53	"372"/\$\$.ccls. and ((vtsel and bragg) and mesa and (mirror adj3 (more or less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:56
L10	19	"257"/\$\$.ccls. and ((vtsel and bragg) and mesa and (mirror adj3 (more or less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 12:57
L11	67	((vtsel and bragg) and mesa and (mirror adj3 (more or less)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:33
L13	1745	372/46.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:38
L12	2015	372/45.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:38